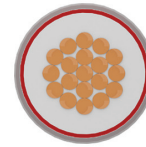


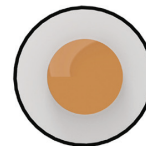


THHN / THWN American Wires



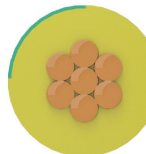
Page 2

NYA Solid Wires



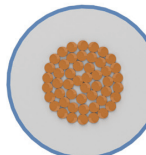
Page 3

NYA Stranded Wires



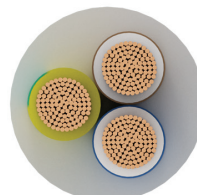
Page 4

NYA Flexible Wires



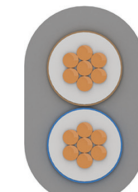
Page 5

Flexible Multi Core Cables



Page 6

Flat Cables



Page 7



نبذة عن شركة رسكاب

تأسست شركة كابلات البحر الأحمر (رسكاب) كشركة مساهمة مغلقة في عام ٢٠٠٨م بالمملكة العربية السعودية وبرأس مال وقدره ٢٧٠ مليون ريال سعودي، وتعتبر شركة مجموعة العبد اللطيف القابضة وشركة العبد اللطيف للاستثمار الصناعي من أكبر المؤسسين في رأس مال رسكاب.

وتهدف رسكاب لإنتاج وتوزيع أسلاك وكابلات الطاقة بجميع أنواعها ومقاساتها وذلك لتلبية حاجة السوق المحلية المتزايدة، بالإضافة إلى التصدير إلى الأسواق الخارجية وخاصة الدول المجاورة.

وبحمد الله تم إنشاء المصنع بمدينة ينبع في المدينة الصناعية التابعة للهيئة الملكية للجبيل وينبع على مساحة ١٠٠,٠٠٠ م^٢ ويحتوي المصنع على أحدث ما وصلت إليه التكنولوجيا العالمية مستندة على أفضل الخبرات الأوربية والكفاءات الفنية المتخصصة لإنتاج الأسلاك والكابلات طبقاً للمعايير الدولية والعالمية حتى يكون المنتج بدرجة عالية من الكفاءة.

تقدم رسكاب منتجاتها لمختلف قطاعات المقاولات والخدمات والإسكان والصناعة والطاقة والمشاريع البتروكيماوية وكذلك تلبية الطلبات الخاصة مع مواكبة التقدم والتطور التقني والفني في مجال إنتاج الأسلاك والكابلات.

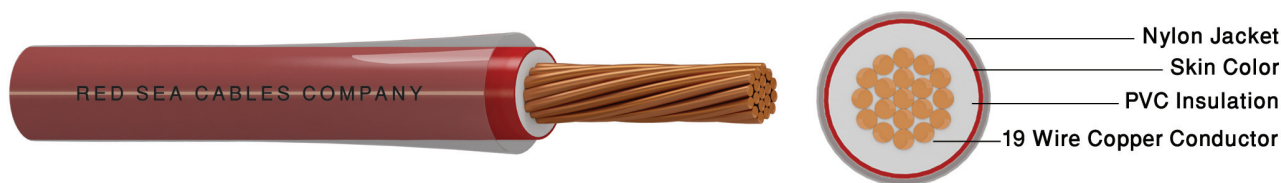
About RESCAB

Red Sea Cables Company (RESCAB) was established as a closed joint stock company in 2008 in the Kingdom of Saudi Arabia with a capital of 370 million Saudi Riyals. The largest two shareholders in RESCAB are Al Abdul Latif Holding Group Company and Al Abdul Latif Company for Industrial Investment.

RESCAB aims at producing and distributing power cables and wires of all types and sizes in order to meet the growing demand of the local market, in addition to exporting to other markets especially in neighboring countries.

The factory was built in Yanbu city in the Industrial Area of the Royal Commission of Jubail and Yanbu. The 100,000-square-meter factory contains state-of-the-art international technologies and is based on best European know-how in the field of wire and cable production according to international standards so that the product is of high efficiency.

RESCAB offers its products to various sectors like contracting, services, housing, industry, power and petrochemical projects. Moreover, the company can meet special requirements in line with the technical progress in the field of wire and cable production.



Type: Building Wires CU/PVC/NYLON - THHN/THWN - 600 Volts

Reference Standards: American Standard "Underwriters Laboratories Inc. (UL)" UL 83, UL 1063, UL 1581

Construction Conductor: Soft Annealed Copper 19 wires combination Unilay stranded in accordance with UL 83, UL 1063, UL 1581 with Conductivity 100% IACS.

Insulation: Thermoplastic Polyvinyl chloride (PVC) Insulation rated up to maximum temperature 105°C (Dry location, THHN) and 75°C (wet application, THWN) having special properties of Heat, Moisture, gasoline and Oil resistant II and Fire Retardant (VW-1) in accordance with UL 83, UL 758 and UL 1063 with State of the Art Extrusion technology for color code by SKIN Coating,

Jacket: Tough, Polyamide Nylon (PA 6) is applied over the PVC insulation. It provides an excellent protection against abrasion, Scratch and support easy pulling in conduits.

Applications: **THHN/THWN** wires consist of soft annealed CU conductor, thermoplastic insulated and covered with a tough protective Nylon sheath which makes it Heat, Moisture, gasoline and Oil resistant II and Fire Retardant (VW-1). These building wires are mostly intended for general purpose applications as defined by National Electrical Code (NEC) and used in Conduits or similar closed systems, Cable Trays for services, feeders and branch circuits in residential, commercial or industrial applications, Voltage Rating is 600 Volts for all application.

THHN- "Thermoplastic High Heat Nylon coated", building wire - UL 83

THWN- "Thermoplastic High Water (Moisture) resistant Nylon coated" building wire - UL 83

MTW - "Machine Tool Wire" (Stranded items only) - UL 758

AWM - "Appliance Wiring Materials" (Stranded items only) -UL 1063

Packing: Special Packing on durable Plastic reels of 500 feet or as per Customer requirements



Colors: Red, Yellow, Blue, Black, Brown, Green, White, Orange, Grey, Green/Yellow or any other color as per customer requirement.

SIZE	Equivalent Metric Area	No of wires x Nominal Diameter of wires	Nominal Thickness of PVC Insulation	Minimum Thickness of Nylon Jacket	Approximate Overall Diameter	Maximum DC Resistance at 20 °C	Current Carrying Capacity	
							THHN	THWN
AWG	mm ²	No	mm	mm	mm	Ω/km	Amps	Amps
16	1.31	19 x 0.298	0.38	0.10	2.5	13.70	10	10
14	2.08	19 x 0.374	0.38	0.10	2.9	8.62	15	15
12	3.31	13 x 0.5 + 6 x 0.4	0.38	0.10	3.3	5.43	20	20
10	5.26	13 x 0.64 + 6 x 0.47	0.51	0.10	4.15	3.409	30	30
8	8.37	13 x 0.8 + 6 x 0.6	0.76	0.13	5.5	2.144	55	50

Note: Maximum Allowable Current Carrying Capacity is in accordance with National Electrical Code (NEC) for not more than three conductors in raceway or direct buried at ambient temperature 30 °C



Type: Solid CU/PVC Single Core - 450/750 Volts - H07V2-U Suitable for Voltages up to 1000 Volts a.c or upto 750 Volts to Earth, d.c.

Reference Standards: SASO 1320, IEC 60227, BS 6004

Construction Conductor: Solid Annealed Copper Class 1 in accordance with BS EN 60228 with Conductivity 100 % IACS.

Insulation: Thermoplastic Polyvinyl chloride (PVC-TI 3) Insulation rated temperature up to 90°C with State of the Art Extrusion technology for color code by SKIN Coating. The Special HEAT RESISTANT PVC is in accordance with SASO 1320, IEC 60227 and BS EN 50363-3. TYPE TI 1 (70 °C) is also available. All these wires are Fire Retardant to IEC 60332-1

Applications: Installation in surface mounted or embedded conduits, or similar closed systems. Suitable for use in channels with cover. Suitable for fixed protected installation in or on light fittings and inside appliances, switchgear.

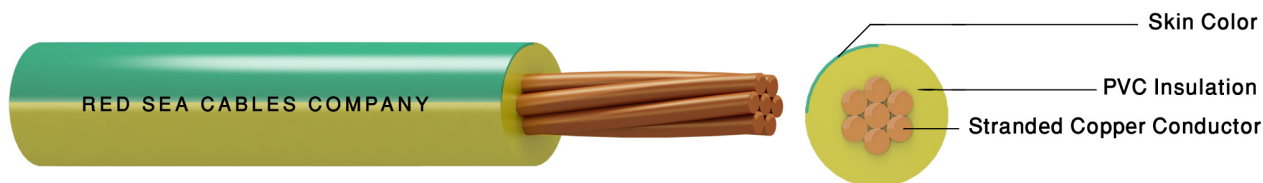
Packing: Special Packing on durable Plastic reels of 100 yards or as per Customer requirements.



Colors: Red , Yellow , Blue , Black , Brown , Green , White, Orange, Grey, Green/Yellow or any other color as per customer requirement.

Nominal Cross section area of Conductor	No of wires	Nominal Thickness of Insulation	Approximate Overall Diameter	Maximum DC Resistance at 20 °C	Current Carrying Capacity	
					70 °C	90 °C
mm ²	No	mm	mm	Ω/km	Amps	Amps
1.5	1	0.7	2.9	12.10	17.5	22
2.5	1	0.8	3.5	7.41	24	30
4	1	0.8	4.0	4.61	32	40
6	1	0.8	4.6	3.08	41	51
10	1	1.0	5.8	1.83	57	71

Note: The Current Carrying Capacity is based on IEE wiring Regulation "Reference Method 3", 2 cables single phase AC or DC, in metallic or non-metallic conduit on a wall or ceiling at ambient temperature 30 °C



Type: CU/PVC Single Core - 450/750 Volts - H07V2-R
 Suitable for Voltages up to 1000 Volts a.c or up to 750 Volts to Earth, d.c.

Reference Standards: IEC 60227, SASO 1320, BS 6004

Construction

Conductor: Stranded Annealed Copper Class 2 in accordance with BS EN 60228 with Conductivity 100 % IACS
Insulation: Thermoplastic Polyvinyl chloride (PVC- TI 3) Insulation rated temperature up to 90°C.
 The Special HEAT RESISTANT PVC is in accordance with SASO 1320, IEC 60227 and BS EN 50363-3.
 TYPE TI 1 (70 °C) is also available. All these wires are Fire Retardant to IEC 60332-1.

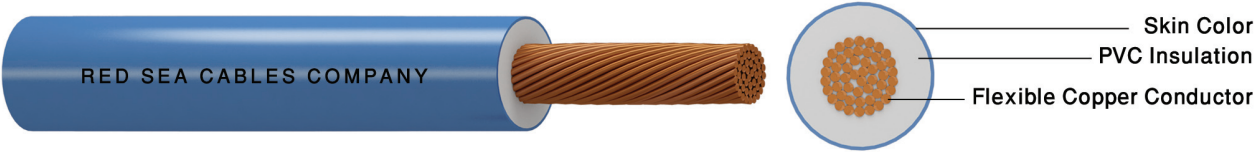
Applications: Installation in surface mounted or embedded conduits, or similar closed systems.
 Suitable for use in channels with cover. Suitable for fixed protected installation
 in or on light fittings and inside appliances, switchgear.

Packing: Special Packing on durable Plastic reels of 100 yards or as per Customer requirements.

Colors: Red , Yellow , Blue , Black , Brown , Green , White, Orange, Grey, Green/Yellow
 or any other color as per customer requirement.

Nominal cross section Area of Conductor	No of Wires	Nominal Thickness of insulation	Approximate Overall Diameter	Maximum DC Resistance at 20 °C	Current Carrying Capacity	
					70 °C	90 °C
mm ²	No	mm	mm	Ω/km	Amps	Amps
1.5	7	0.7	3.1	12.1	17.5	22
2.5	7	0.8	3.8	7.41	24	30
4	7	0.8	4.4	4.61	32	40
6	7	0.8	5.0	3.08	41	51
10	7	1.0	6.3	1.83	57	71
16	7	1.0	7.0	1.15	76	95
25	7	1.2	8.7	0.727	101	126
35	7	1.2	9.8	0.524	115	144
50	19	1.4	11.4	0.387	137	171
70	19	1.4	13.1	0.268	169	210
95	19	1.6	15.3	0.193	202	252
120	37	1.6	16.9	0.153	231	287
150	37	1.8	18.8	0.124	258	322
185	37	2.0	21.0	0.0991	293	365
240	61	2.2	23.9	0.0754	340	424
300	61	2.4	26.7	0.0601	380	480
400	61	2.6	29.8	0.0470	437	547
500	61	2.8	33.9	0.0366	501	621
630	61	2.8	37.9	0.0283	569	707

Note: The Current Carrying Capacity is based on IEE wiring Regulation "Reference Method 3", 2 cables single phase AC or DC in metallic or non-metallic conduit on a wall or ceiling at ambient temperature 30 °C



Type: Flexible CU/PVC Single Core - 450/750 Volts - H07V2-K Suitable for Voltages up to 1000 Volts a.c or up to 750 Volts to Earth, d.c.

Reference Standards: IEC 60227, SASO 1320, BS 6004

Construction
Conductor: Flexible Annealed Copper Class 5 in accordance with BS EN 60228 with Conductivity 100 % IACS.
Insulation: Thermoplastic Polyvinyl chloride (PVC- TI 3) Insulation rated temperature up to 90°C. The Special HEAT RESISTANT PVC is in accordance with SASO 1320 , IEC 60227 and BS EN 50363-3 TYPE TI 1 (70 °C) is also available. All these wires are Fire Retardant to IEC 60332-1

Applications: Installation in surface mounted or embedded conduits, or similar closed systems. Suitable for use in channels with cover. Suitable for fixed protected installation in or on light fittings and inside appliances, switchgear.

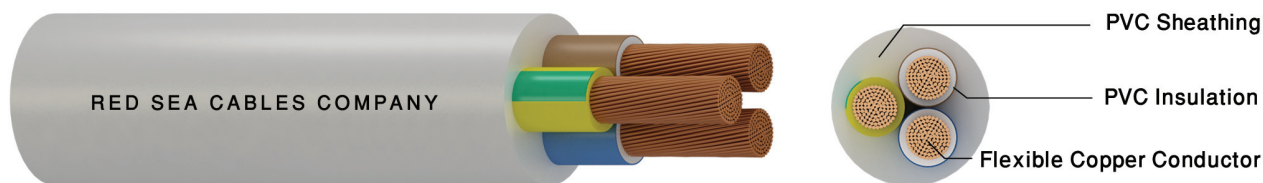
Packing: Special Packing on durable Plastic reels of 100 yards or as per Customer requirements.



Colors: Red , Yellow , Blue , Black , Brown , Green , White, Orange, Grey, Green/Yellow or any other color as per customer requirement.

Nominal Cross section area of Conductor	Approx. No x Nom. Dia of Wires	Nominal Thickness of insulation	Approximate Overall Diameter	Maximum DC Resistance at 20 °C	Current Carrying Capacity	
					70 °C	90 °C
mm2	No x mm	mm	mm	Ω/km	Amps	Amps
1.5	28 x 0.25	0.7	3.1	13.3	17.5	22
2.5	46 x 0.25	0.8	3.8	7.98	24	30
4	51 x 0.3	0.8	4.3	4.95	32	40
6	76 x 0.3	0.8	4.9	3.3	41	51
10	74 x 0.4	1	6.4	1.91	57	71
16	118 x 0.4	1	7.6	1.21	76	95
25	181 x 0.4	1.2	9	0.78	101	126
35	257 x 0.4	1.2	10.5	0.554	115	144
50	371 x 0.4	1.4	12.6	0.386	137	171
70	337 x 0.5	1.4	14.7	0.272	169	210
95	444 x 0.5	1.6	16.7	0.206	202	252
120	570 x 0.5	1.6	18.6	0.161	231	287
150	712 x 0.5	1.8	20.7	0.129	258	322
185	864 x 0.5	2	22.9	0.106	293	365
240	1134 x 0.5	2.2	25.9	0.0801	340	424

Note: The Current Carrying Capacity is based on IEE wiring Regulation “Reference Method 3”, 2 cables single phase AC or DC, in metallic or non-metallic conduit on a wall or ceiling at ambient temperature 30 °C



Type: Flexible CU/PVC/PVC Sheathed - Multi Core cables - 300/500 Volts

Reference Standards: IEC 60227, BS 6500 - H05V2V2-F

Construction

Conductor: Flexible Annealed Copper Class 5 in accordance with BS EN 60228 with Conductivity 100 % IACS

Insulation: Thermoplastic Polyvinyl chloride (PVC - TI 3) Insulation rated temperature up to 90°C. The Special HEAT RESISTANT PVC is in accordance with IEC 60227 and BS EN 50363-3. TYPE TI 1 (70 °C) is also available. All these Cables are Fire Retardant to IEC 60332-1

Core Identification:

2- cores Blue and Brown

3- cores Green/yellow, Blue and Brown

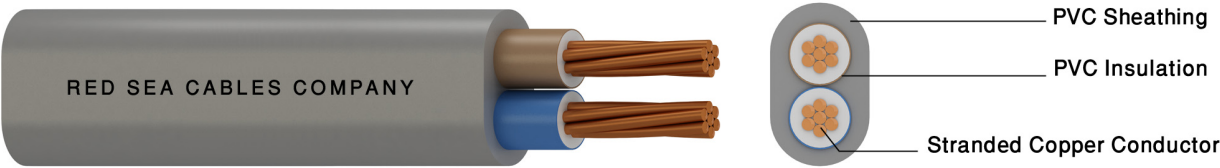
4- cores Green/yellow, Blue, Brown and Black or Green/Yellow, Brown, Black and Grey

Core Assembly: Insulated cores are Twisted together to give a practically circular cross-section.

Outer Sheath: Thermoplastic Polyvinyl chloride (PVC) Sheath rated temperature 90 °C, color White or as per customer Requirement.

Packing: Special Packing in Coils of 100 Yards or Wooden Drums as per Customer requirements.

No of Cores x Nominal cross section area	Approx. No x Nominal Dia of wires	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Approx. Overall Diameter	Maximum DC Resistance at 20 °C
No x mm ²	No x mm	mm	mm	mm	Ω/km
2x0.5	15 x 0.20	0.6	0.8	6.4	39.0
2x0.75	22 x 0.20	0.6	0.8	6.9	26.0
2x1	29 x 0.20	0.6	0.8	7.3	19.5
2x1.5	28 x 0.25	0.7	0.8	8.4	13.3
2x2.5	46 x 0.25	0.8	1	10.1	7.98
2 x 4	51 x 0.3	0.8	1.2	11.1	4.95
2 x 6	76 x 0.3	0.8	1.2	12.4	3.30
2 x 10	74 x 0.4	1.0	1.4	15.8	1.91
2 x 16	118 x 0.4	1.0	1.4	18.1	1.21
3x0.75	22 x 0.20	0.6	0.8	7.3	26.0
3x1	29 x 0.20	0.6	0.8	7.7	19.5
3x1.5	28 x 0.25	0.7	0.9	9.1	13.3
3x2.5	46 x 0.25	0.8	1.1	11	7.98
3 x 4	51 x 0.3	0.8	1.2	11.8	4.95
3 x 6	76 x 0.3	0.8	1.4	13.6	3.30
3 x 10	74 x 0.4	1.0	1.4	16.8	1.91
3 x 16	118 x 0.4	1.0	1.4	19.3	1.21
4x0.75	22 x 0.20	0.6	0.8	8	26.0
4x1	29 x 0.20	0.6	0.9	8.7	19.5
4x1.5	28 x 0.25	0.7	1.0	10.2	13.3
4x2.5	46 x 0.25	0.8	1.1	12	7.98
4 x 4	51 x 0.3	0.8	1.4	13.4	4.95
4 x 6	76 x 0.3	0.8	1.4	14.9	3.30
4 x 10	74 x 0.4	1.0	1.4	18.4	1.91
4 x 16	118 x 0.4	1.0	1.4	21.2	1.21



Type: CU/PVC/PVC Sheathed Single core, Flat twin and Three Core Cables 300/500 Volts.
Reference Standards: BS 6004

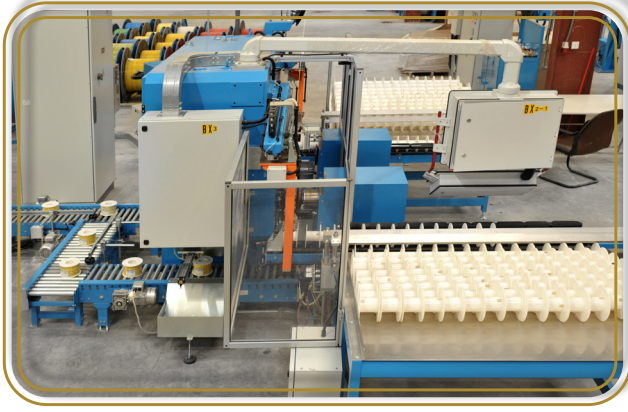
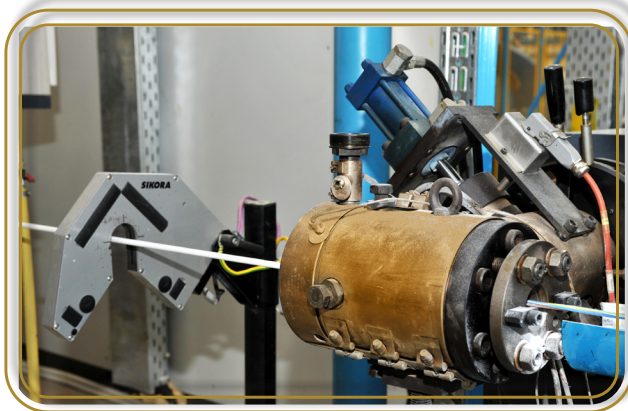
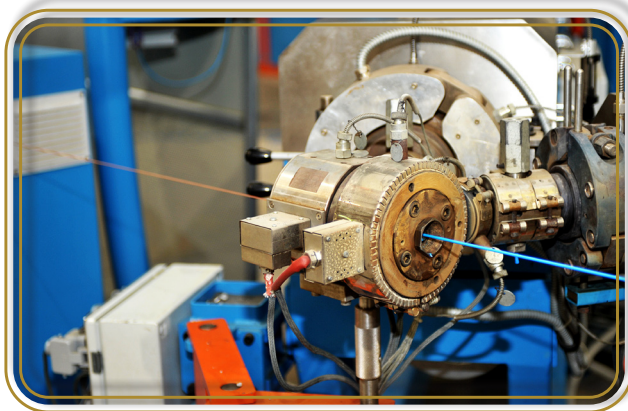
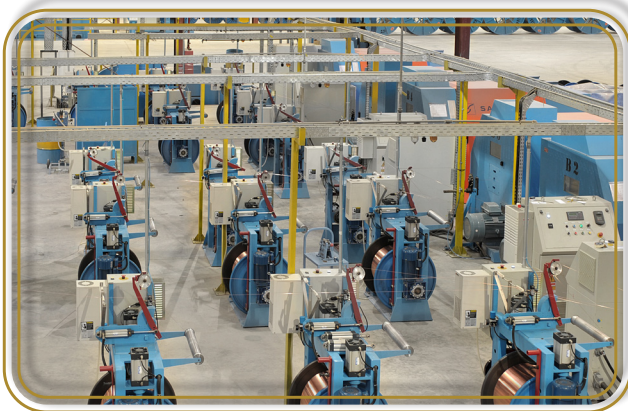
Construction
Conductor: Stranded Annealed Copper Class 2 in accordance with BS EN 60228 with Conductivity 100 % IACS.
Insulation: Thermoplastic Polyvinyl chloride (PVC- TI 1) Insulation rated temperature 70 °C in accordance with BS EN 50363-3. All these Cables are Fire Retardant to IEC 60332-1

Core Identification:
1- core Brown or Blue
2- cores Brown and Blue
3- cores Brown, Black and Grey

Formation: Insulated cores are Laid Parallel for twin core and three core Flat Cables.
Outer sheath: Thermoplastic Polyvinyl chloride (PVC - Type 6) Sheath rated temperature 70 °C, color Grey or as per customer Requirement.

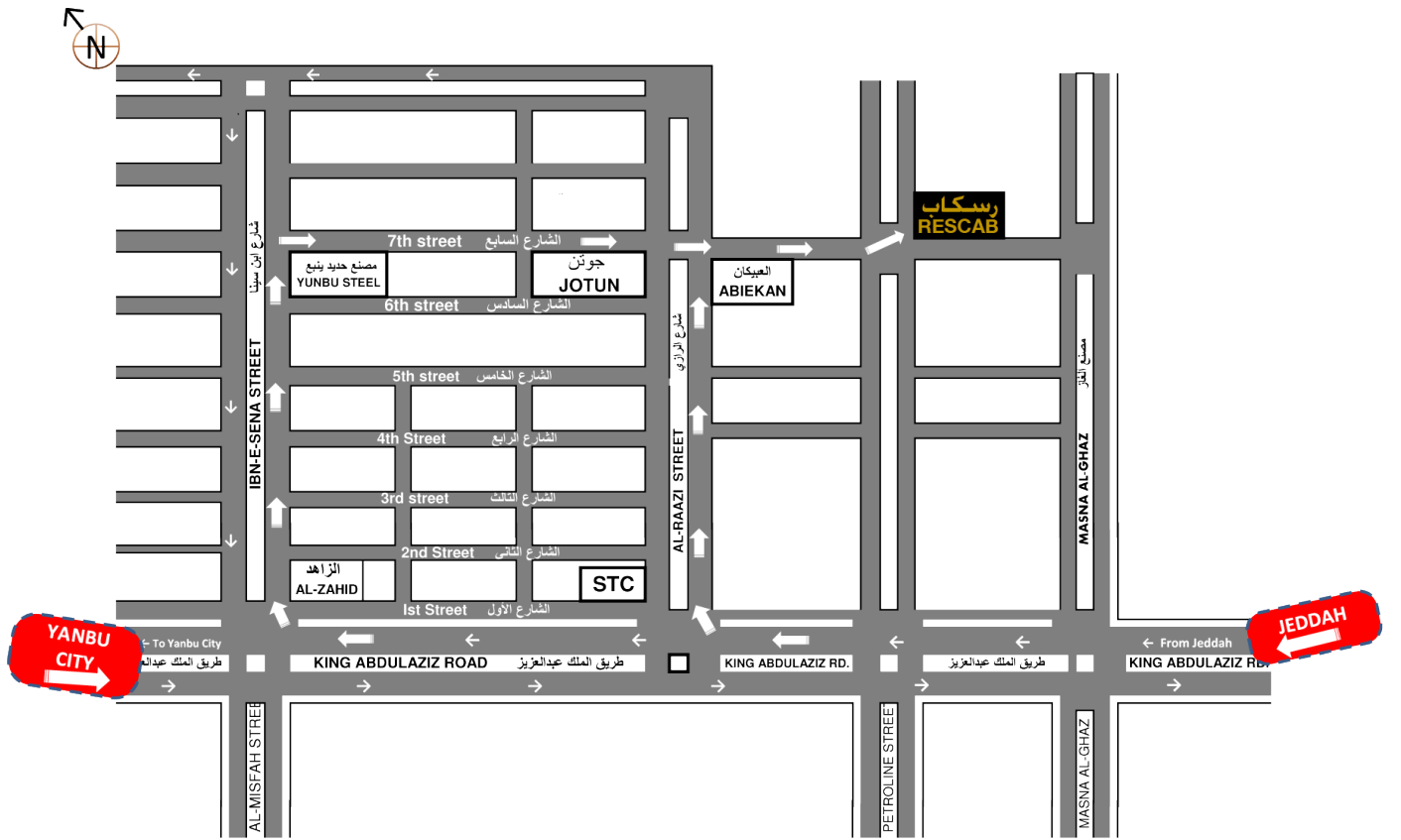
Packing: Special Packing in Coils of 100 Yards or Wooden Drums as per Customer requirements.

Number x Nominal cross section area	No of strands	Nominal Diameter of Conductor	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Approx. Overall diameter		Maximum DC Resistance at 20 °C
					Lower limit	Upper Limit	
No x mm2	No	mm	mm	mm	mm	mm	Ω/km
1 x 1.5	7	1.59	0.7	0.8	4.2	4.9	12.1
1 x2.5	7	2.01	0.8	0.8	4.8	5.8	7.41
1 x 4	7	2.55	0.8	0.9	5.4	6.8	4.61
1 x 6	7	3.12	0.8	0.9	6.0	7.4	3.08
1 x10	7	4.02	1.0	0.9	7.2	8.8	1.83
1 x16	7	4.7	1.0	1.0	8.4	10.5	1.15
1 x25	7	5.9	1.2	1.1	10.0	12.5	0.727
1 x 35	7	6.9	1.2	1.1	11.0	13.5	0.524
2 x 1.5	7	1.59	0.7	0.9	4.4 x 7.0	5.4 x 8.4	12.1
2 x 2.5	7	2.01	0.8	1.0	5,2 x 8.4	6.2 x 9.8	7.41
2 x 4	7	2.55	0.8	1.0	5.6 x 9.6	7.2 x 11.5	4.61
2 x 6	7	3.12	0.8	1.1	6.4 x 10.5	8.0 x 13.0	3.08
2 x 10	7	4.02	1.0	1.2	7.8 x 13.0	9.6 x 16.0	1.83
2 x 16	7	4.7	1.0	1.3	9.0 x 15.5	11.0 x 18.5	1.15
3 x 1.5	7	1.59	0.7	0.9	4.4 x 9.8	5.4 x 11.5	12.1
3 x 2.5	7	2.01	0.8	1.0	5,2 x 11.5	6.2 x 13.5	7.41
3 x 4	7	2.55	0.8	1.1	5.8 x 13.5	7.4 x 16.5	4.61
3 x 6	7	3.12	0.8	1.1	6.4 x 15.0	8.0 x 18.0	3.08
3 x 10	7	4.02	1.0	1.2	7.8 x 19.0	9.6 x 22.5	1.83
3 x 16	7	4.7	1.0	1.3	9.0 x 22.0	11.0 x 26.5	1.15



خريطة الموقع

Location Map





We Cable the Planet

Red Sea Cables Co.

منطقة الصناعات الخفيفة، الهيئة الملكية في مدينة ينبع الصناعية - هاتف: ٥ / ٥٦٧٤ ٩٦٦٤ ٣٥٧ + فاكس: ٥٦٧٣ ٩٦٦٤ ٣٥٧ +
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